

Mr. Thomas Moorehead
General Shale Products LLC
P.O. Box 159
Mooreville, Indiana 46158

Re: **109-11162**
First Administrative Amendment to
Part 70 109-7388-00002

Dear Mr. Moorehead:

General Shale Products LLC was issued a permit on January 25, 1999 for a stationary brick manufacturing source. A letter requesting a change was received on July 19, 1999.

The change consists of replacing one of the existing grinders of EU-001 with a new grinder. This grinder will process the same material in the same quantity and be controlled exactly as the existing grinder. Since there is no increase in the potential to emit and no additional rules apply, pursuant to the provisions of 2-7-11 the permit is hereby administratively amended. Conditions A.2(a) and D.1(a) have both been revised to show the replacement of the grinder as follows:

- (a) One (1) clay/shale processing operation, known as EU-001, consisting of grinding and screening operations, installed in 1970 **with one (1) grinder replaced in 1999**, equipped with a baghouse for PM control (not required to be in operation at all times), installed in 1993, exhausted to Stack 001, capacity: 72.5 tons of clay/shale per hour.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Mark L. Kramer, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 516-691-3395 or in Indiana at 1-800-451-6027 (ext 516-691-3395).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
MLK/MES

cc: File - Morgan County
U.S. EPA, Region V
Morgan County Health Department
Air Compliance Section Inspector - Marc Goldman
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT

OFFICE OF AIR MANAGEMENT

General Shale Products LLC
Highway 67, South and CR 1000 N.
Mooreville, Indiana 46158

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 109-7388-00002	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: January 25, 1999
Pages Affected: 5 and 30 of 41	
First Administrative Amendment: AT 109-11162-00002	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date:

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary brick manufacturing source.

Responsible Official: Walt Banyas
 Source Address: Highway 67, South and CR 1000 N., Mooresville, Indiana 46158
 Mailing Address: P.O. Box 159, Mooresville, Indiana 46158
 SIC Code: 3251
 County Location: Morgan
 County Status: Attainment for all criteria pollutants
 Source Status: Part 70 Permit Program
 Major Source, under PSD Rules;
 Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) clay/shale processing operation, known as EU-001, consisting of grinding and screening operations, installed in 1970 with one (1) grinder replaced in 1999, equipped with a baghouse for PM control (not required to be in operation at all times), installed in 1993, exhausted to Stack 001, capacity: 72.5 tons of clay/shale per hour.
- (b) Two (2) brick manufacturing lines, collectively known as EU-002, with Line 1, known as Plant No. 20, consisting of one (1) tunnel pre-dryer and one (1) tunnel dryer, using waste heat from the Plant No. 20 kiln, exhausting through Stack 20DE and one (1) coal and natural gas-fired tunnel kiln, rated at 25 million British thermal units per hour, exhausting through Stack 20KE and with Line 2, known as Plant No. 32, consisting of one (1) tunnel pre-dryer, and (1) tunnel dryer, using waste heat from the Plant No. 32 kiln, exhausting through Stack 32DE, and one (1) coal and natural gas-fired tunnel kiln, 25 million British thermal units per hour, exhausting through Stack 32KE, Line 1 installed in 1970 and modified in 1979 and Line 2 installed in 1989, capacity: 14.8 tons of bricks per hour for Line 1 and 13.7 tons of bricks per hour for Line 2.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (a) One (1) clay/shale processing operation, known as EU-001, consisting of grinding and screening operations, installed in 1970 with one (1) grinder replaced in 1999, equipped with a baghouse for PM control (not required to be in operation at all times), installed in 1993, exhausted to Stack 001, capacity: 72.5 tons of clay/shale per hour.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to OP 55-03-87-0092, issued on October 18, 1983 and 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the clay/shale processing operation shall not exceed 48.1 pounds per hour when operating at a process weight rate of 72.5 tons per hour.

The pounds per hour limitation was calculated with the following equation:
Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour; and
 P = process weight rate in tons per hour

Compliance Determination Requirements

D.1.2 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this operation by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the particulate matter limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.